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OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

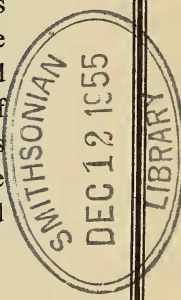
Edited by

FRANCIS HEMMING, C.M.G., C.B.E.
Secretary to the Commission

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DIRECTION 22

Addition to the *Official List of Specific Names in Zoology* of (a) the specific names of fifty-seven species, each of which is the type species of a genus in the Class Mammalia, the name of which was placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936, and (b) of the specific names of two species belonging to the same Class, each of which is currently regarded as the oldest available name for the type species of a genus, the name of which was placed on the *Official List* in the same period



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INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

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DIRECTION 22

ADDITION TO THE "OFFICIAL LIST OF SPECIFIC NAMES IN ZOOLOGY" (a) OF THE SPECIFIC NAMES OF FIFTY-SEVEN SPECIES, EACH OF WHICH IS THE TYPE SPECIES OF A GENUS IN THE CLASS MAMMALIA, THE NAME OF WHICH WAS PLACED ON THE "OFFICIAL LIST OF GENERIC NAMES IN ZOOLOGY" IN THE PERIOD UP TO THE END OF 1936, AND (b) OF THE SPECIFIC NAMES OF TWO SPECIES BELONGING TO THE SAME CLASS, EACH OF WHICH IS CURRENTLY REGARDED AS THE OLDEST AVAILABLE NAME FOR THE TYPE SPECIES OF A GENUS, THE NAME OF WHICH WAS PLACED ON THE "OFFICIAL LIST" IN THE SAME PERIOD

RULING :—(1) The under-mentioned specific names of species of the Class Mammalia, each of which is the type species of a genus, the name of which was placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 by the Rulings given in the *Opinions* cited below are hereby placed on the *Official List of Specific Names in Zoology* with the Name Nos. severally specified against the names in question :—

- (1) *mysticetus* Linnaeus, 1758, as published in the combination *Balaena mysticetus* (specific name of type species of *Balaena* Linnaeus, 1758) (*Opinion* 75) (Name No. 549) ;
- (2) *taurus* Linnaeus, 1758, as published in the combination *Bos taurus* (specific name of type species of *Bos* Linnaeus, 1758) (*Opinion* 75) (Name No. 550) ;

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- (3) *fiber* Linnaeus, 1758, as published in the combination *Castor fiber* (specific name of type species of *Castor* Linnaeus, 1758) (*Opinion 75*) (Name No. 551) ;
- (4) *delphis* Linnaeus, 1758, as published in the combination *Delphinus delphis* (specific name of type species of *Delphinus* Linnaeus, 1758) (*Opinion 75*) (Name No. 552) ;
- (5) *europaeus* Linnaeus, 1758, as published in the combination *Erinaceus europaeus* (specific name of type species of *Erinaceus* Linnaeus, 1758) (*Opinion 75*) (Name No. 553) ;
- (6) *amphibius* Linnaeus, 1758, as published in the combination *Hippopotamus amphibius* (specific name of type species of *Hippopotamus* Linnaeus, 1758) (*Opinion 75*) (Name No. 554) ;
- (7) *cristatus* Linnaeus, 1758, as published in the combination *Hystrix cristatus* (specific name of type species of *Hystrix* Linnaeus, 1758) (*Opinion 75*) (Name No. 555) ;
- (8) *monoceros* Linnaeus, 1758, as published in the combination *Monodon monoceros* (specific name of type species of *Monodon* Linnaeus, 1758) (*Opinion 75*) (Name No. 555) ;
- (9) *moschiferus* Linnaeus, 1758, as published in the combination *Moschus moschiferus* (specific name of type species of *Moschus* Linnaeus, 1758) (*Opinion 75*) (Name No. 557) ;
- (10) *aries* Linnaeus, 1758, as published in the combination *Ovis aries* (specific name of type species of *Ovis* Linnaeus, 1758) (*Opinion 75*) (Name No. 558) ;
- (11) *vitulina* Linnaeus, 1758, as published in the combination *Phoca vitulina* (specific name of type species of *Phoca* Linnaeus, 1758) (*Opinion 75*) (Name No. 559) ;

- (12) *scrofa* Linnaeus, 1758, as published in the combination *Sus scrofa* (specific name of type species of *Sus* Linnaeus, 1758) (*Opinion* 75) (Name No. 560) ;
- (13) *europaea* Linnaeus, 1758, as published in the combination *Talpa europaea* (specific name of type species of *Talpa* Linnaeus, 1758) (*Opinion* 75) (Name No. 561) ;
- (14) *arctos* Linnaeus, 1758, as published in the combination *Ursus arctos* (specific name of type species of *Ursus* Linnaeus, 1758) (*Opinion* 75) (Name No. 562) ;
- (15) *alces* Linnaeus, 1758, as published in the combination *Cervus alces* (specific name of type species of *Alces* Gray (J.É.), 1821) (*Opinion* 91) (Name No. 563) ;
- (16) *amphibius* Linnaeus, 1758, as published in the combination *Mus amphibius* (specific name of type species of *Arvicola* Lacépède, 1799) (*Opinion* 91) (Name No. 564) ;
- (17) *paniscus* Linnaeus, 1758, as published in the combination *Simia paniscus* (specific name of type species of *Ateles* Geoffroy de Saint-Hilaire (É.), 1806) (*Opinion* 91) (Name No. 565) ;
- (18) *bison* Linnaeus, 1758, as published in the combination *Bos bison* (specific name of type species of *Bison* Smith (C.H.), 1827) (*Opinion* 91) (Name No. 566) ;
- (19) *tridactylus* Linnaeus, 1758, as published in the combination *Bradypus tridactylus* (specific name of type species of *Bradypus* Linnaeus, 1758) (*Opinion* 91) (Name No. 567) ;
- (20) *familiaris* Linnaeus, 1758, as published in the combination *Canis familiaris* (specific name of type species of *Canis* Linnaeus, 1758) (*Opinion* 91) (Name No. 568) ;

- (21) *hircus* Linnaeus, 1758, as published in the combination *Capra hircus* (specific name of type species of *Capra* Linnaeus, 1758) (*Opinion* 91) (Name No. 569) ;
- (22) *capucina* Linnaeus, 1758, as published in the combination *Simia capucina* (specific name of type species of *Cebus* Erxleben, 1777) (*Opinion* 91) (Name No. 570) ;
- (23) *elaphus* Linnaeus, 1758, as published in the combination *Cervus elaphus* (specific name of type species of *Cervus* Linnaeus, 1758) (*Opinion* 91) (Name No. 571) ;
- (24) *didactylus* Linnaeus, 1758, as published in the combination *Bradyptes didactylus* (specific name of type species of *Choloepus* Illiger, 1811) (*Opinion* 91) (Name No. 572) ;
- (25) *cristatus* Linnaeus, 1758, as published in the combination *Sorex cristatus* (specific name of type species of *Condylura* Illiger, 1811) (*Opinion* 91) (Name No. 573) ;
- (26) *cricetus* Linnaeus, 1758, as published in the combination *Mus cricetus* (specific name of type species of *Cricetus* Leske, 1779) (*Opinion* 91) (Name No. 574) ;
- (27) *leucodon* Hermann, 1780, as published in the combination *Sorex leucodon* (specific name of type species of *Crocidura* Wagler, 1832) (*Opinion* 91) (Name No. 575) ;
- (28) *cristata* Erxleben, 1777, as published in the combination *Phoca cristata* (specific name of type species of *Cystophora* Nilsson (S.), 1820) (*Opinion* 91) (Name No. 576) ;
- (29) *aguti* Linnaeus, 1766, as published in the combination *Mus aguti* (specific name of type species of *Dasyprocta* Illiger, 1811) (*Opinion* 91) (Name No. 577) ;

- (30) *marsupialis* Linnaeus, 1758, as published in the combination *Didelphis marsupialis* (specific name of type species of *Didelphis* Linnaeus, 1758) (*Opinion* 91) (Name No. 578) ;
- (31) *dorsata* Linnaeus, 1758, as published in the combination *Hystrix dorsata* (specific name of type species of *Erethizon* Cuvier (F.), 1823) (*Opinion* 91) (Name No. 579) ;
- (32) *catus* Linnaeus, 1758, as published in the combination *Felis catus* (specific name of type species of *Felis* Linnaeus, 1758) (*Opinion* 91) (Name No. 580) ;
- (33) *gulo* Linnaeus, 1758, as published in the combination *Mustela gulo* (specific name of type species of *Gulo* Pallas, 1780) (*Opinion* 91) (Name No. 581) ;
- (34) *timidus* Linnaeus, 1758, as published in the combination *Lepus timidus* (specific name of type species of *Lepus* Linnaeus, 1758) (*Opinion* 91) (Name No. 582) ;
- (35) *lynx* Linnaeus, 1758, as published in the combination *Felis lynx* (specific name of type species of *Lynx* Kerr, 1792) (*Opinion* 91) (Name No. 583) ;
- (36) *musculus* Linnaeus, 1758, as published in the combination *Mus musculus* (specific name of type species of *Mus* Linnaeus, 1758) (*Opinion* 91) (Name No. 584) ;
- (37) *tridactyla* Linnaeus, 1758, as published in the combination *Myrmecophaga tridactyla* (specific name of type species of *Myrmecophaga* Linnaeus, 1758) (*Opinion* 91) (Name No. 585) ;
- (38) *nasua* Linnaeus, 1766, as published in the combination *Viverra nasua* (specific name of type species of *Nasua* Storr, 1780) (*Opinion* 91) (Name No. 586) ;

- (39) *moschatus* Zimmermann, 1780, as published in the combination *Bos moschatus* (specific name of type species of *Ovibos* Blainville, 1816) (*Opinion* 91) (Name No. 587) ;
- (40) *hastatus* Pallas, 1767, as published in the combination *Vespertilio hastatus* (specific name of type species of *Phyllostomus* Lacépède, 1799) (*Opinion* 91) (Name No. 588) ;
- (41) *lotor* Linnaeus, 1758, as published in the combination *Ursus lotor* (specific name of type species of *Procyon* Storr, 1780) (*Opinion* 91) (Name No. 589) ;
- (42) *putorius* Linnaeus, 1758, as published in the combination *Mustela putorius* (specific name of type species of *Putorius* Cuvier (G.), 1817) (*Opinion* 91) (Name No. 590) ;
- (43) *tarandus* Linnaeus, 1758, as published in the combination *Cervus tarandus* (specific name of type species of *Rangifer* Smith (C.H.), 1827) (*Opinion* 91) (Name No. 591) ;
- (44) *ferrumequinum* Schreber, [1774], as published in the combination *Vespertilio ferrum-equinum* (specific name of type species of *Rhinolophus* Lacépède, 1799) (*Opinion* 91) (Name No. 592) ;
- (45) *rupicapra* Linnaeus, 1758, as published in the combination *Capra rupicapra* (specific name of type species of *Rupicapra* Blainville, 1816) (*Opinion* 91) (Name No. 593) ;
- (46) *vulgaris* Linnaeus, 1758, as published in the combination *Sciurus vulgaris* (specific name of type species of *Sciurus* Linnaeus, 1758) (*Opinion* 91) (Name No. 594) ;
- (47) *araneus* Linnaeus, 1758, as published in the combination *Sorex araneus* (specific name of type species of *Sorex* Linnaeus, 1758) (*Opinion* 91) (Name No. 595) ;

- (48) *dorcas* Linnaeus, 1758, as published in the combination *Capra dorcas* (specific name of type species of *Gazella* Blainville, 1816) (*Opinion* 108) (Name No. 596) ;
- (49) *leucophaea* Pallas, 1766, as published in the combination *Antilope leucophaea* (specific name of type species of *Hippotragus* Sundevall, 1845) (*Opinion* 109) (Name No. 597) ;
- (50) *peruanum* Meyen, 1833, as published in the combination *Lagidium peruanum* (specific name of type species of *Lagidium* Meyen, 1833) (*Opinion* 110) (Name No. 598) ;
- (51) *hispidus* Schreber, [1774], as published in the combination *Vespertilio hispidus* (specific name of type species of *Nycteris* Geoffroy de Saint-Hilaire (E.) & Cuvier (F.), 1795) (*Opinion* 111) (Name No. 599) ;
- (52) *polykomos* Zimmermann, 1780, as published in the combination *Simia polykomos* (specific name of type species of *Colobus* Illiger, 1811) (*Opinion* 122) (Name No. 600) ;
- (53) *senegalensis* Geoffroy de Saint-Hilaire (E.), 1796, as published in the combination *Galago senegalensis* (specific name of type species of *Galago* Geoffroy de Saint-Hilaire (E.), 1796) (*Opinion* 122) (Name No. 601) ;
- (54) *gorilla* Savage, 1847, as published in the combination *Troglodytes gorilla* (specific name of type species of *Gorilla* Geoffroy de Saint-Hilaire (I.), 1852) (*Opinion* 122) (Name No. 602) ;
- (55) *lar* Linnaeus, 1771, as published in the combination *Homo lar* (specific name of type species of *Hylobates* Illiger, 1811) (*Opinion* 122) (Name No. 603) ;
- (56) *catta* Linnaeus, 1758, as published in the combination *Lemur catta* (specific name of type species of *Lemur* Linnaeus, 1758) (*Opinion* 122) (Name No. 604) ;

- (57) *pithecia* Linnaeus, 1766, as published in the combination *Simia pithecia* (specific name of type species of *Pithecia* Desmarest (A.G.), 1804) (*Opinion* 122) (Name No. 605).

(2) The under-mentioned specific names are hereby placed on the *Official List of Specific Names in Zoology* with the Name Nos. 606 and 607 respectively :—

- (1) *grypus* Fabricius, 1791, as published in the combination *Phoca grypus* ;

- (2) *syrichta* Linnaeus, 1758, as published in the combination *Simia syrichta*.

(3) The under-mentioned specific name is hereby placed on the *Official Index of Rejected and Invalid Specific Names in Zoology* with the Name No. 250 :—*vulgaris* Kerr, 1792, as published in the combination *Lynx vulgaris* (a junior objective synonym of *lynx* Linnaeus, 1758, as published in the combination *Felis lynx*). •

I. SUBJECT MATTER OF THE PRESENT “ DIRECTION ”

The present *Direction* has been prepared under a General Directive issued to the Commission by the Thirteenth International Congress of Zoology, Paris, 1948, that the specific names of the species which are the type species of genera, the names of which had been placed on the *Official List of Generic Names in Zoology* prior to the opening of that Congress should, if the oldest available names for the species concerned, be placed on the *Official List of Specific Names in Zoology* and that in other cases there should be placed on that *List* whatever is currently considered to be the oldest available name for the species concerned. The present, which is the first of this series of

Directions, is concerned with the names of the type species of genera of the Class Mammalia, the names of which were placed on the *Official List of Generic Names in Zoology* in the pre-Lisbon (1935) period. The total number of such generic names is sixty-two. Of the names of the type species of these genera two have already been dealt with, the name of the type species of *Cercopithecus* Linnaeus, 1758, in *Opinion* 238, that of *Trichechus* Linnaeus, 1758, in *Direction* 13. In addition, for the reasons explained in paragraph 4 of the present *Direction*, the name of the type species of the genus *Vespertilio* Linnaeus, 1758, has been deferred for further consideration. The remaining fifty-nine names are dealt with in the present *Direction*. The proposals which formed the basis of the decisions taken by the Commission in the present case were submitted by the Secretary in the following paper on 25th March 1955 :—

Addition to the “ Official List of Specific Names in Zoology ” of the names of the type species of genera, the names of which were placed on the “ Official List of Generic Names in Zoology ” in the period up to the end of 1936 : First Instalment (names of species of mammals)

By FRANCIS HEMMING, C.M.G., C.B.E.

(Secretary to the International Commission on Zoological Nomenclature)

In a Report numbered Z.N.(S.) 900 dated 26th January 1955, submitted to the Commission concurrently with Voting Paper V.P. (O.M.)(55)4, I placed before the Commission proposals for giving effect, so far as concerns the names of genera of mammals placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936, to the General Directive issued to the Commission by the Thirteenth International Congress of Zoology, Paris, 1948, that the gender attributable to each generic name placed on the above *Official List* in the foregoing period be ascertained and inserted in the entry on the *Official List* relating to that name. The present Report is concerned with securing for the same group of generic names compliance with the further Directive issued by the Paris Congress (a) that the specific name of the type species of each of the genera concerned, if the oldest available name for that species, be entered upon the *Official List of Specific Names in Zoology* (then styled the “ *Official List of Specific Trivial Names in Zoology* ”) and (b) that, where the specific name of that nominal species is not the oldest such name for the species concerned, the oldest specific name for that species, whatever it may

be, be entered upon the foregoing *Official List*. It was implicit also in the foregoing Directive that the entries relating to the type species of genera, the names of which had been placed on the *Official List of Generic Names in Zoology* in the *Opinions* in question should be examined for the purpose of confirming that the species so cited had in fact been duly designated, indicated or selected under the Rules set out in Article 30 to be the type species of the genera in question.

2. The entries on the *Official List of Generic Names in Zoology* made in the pre-Lisbon period in respect of the names of each of the sixty-two genera of mammals concerned have been examined separately, both by reference to the standard literature and by consultation, where necessary, with specialists. This examination has shown (a) that, with one exception, the generic names are available names, (b) that the names concerned are currently accepted by mammalogists as the oldest available names for taxonomically valid genera, (c) that the nominal species cited in the *Official List* as the type species of the genera concerned have been duly determined as such under the Rules set out in Article 30 and (d) that the species so named are currently accepted by mammalogists as the type species of the genera in question. The single exception referred to above is the name *Cercopithecus* which in *Opinion* 104 was attributed to Linnaeus, 1758. That name was, however, published by Linnaeus only in the nominative plural as the name for a sub-division of the genus *Simia* and accordingly, under the Ruling given in *Opinion* 124, possesses no status as a subgeneric name as from the above author and date. This error on the *Official List* has already been corrected by the Commission in its *Opinion* 238 (1954, *Ops. Decls. int. Comm. zool. Nomencl.* 4 : 351—360), in which the generic name *Cercopithecus* was validated under the Plenary Powers as from Linnaeus, 1758. In the same *Opinion* the Commission designated *Simia diana* Linnaeus, 1758, to be the type species of the genus so named, and the specific name *diana* Linnaeus, as published in the foregoing combination, was placed on the *Official List of Specific Names in Zoology* with the Name No. 56. The number of names which it is necessary now to consider is accordingly reduced by one to sixty-one.

3. It must next be noted that by the decision taken by the Commission in its vote on Voting Paper V.P.(54)19, in relation to the generic name *Manatus* Brännich, 1771, the specific name *manatus* Linnaeus, 1758, as published in the combination *Trichechus manatus*, was placed on the *Official List of Specific Names in Zoology*. This decision has since been embodied in *Direction* 13 (now in the press¹),

¹ *Direction* 13 was published on 19th May 1955 (*Ops. Decls. int. Comm. zool. Nomencl.* 1(C) : 51—66).

in which the Name No. 481 was allotted to the specific name *manatus* Linnaeus on the above *Official List*. The species so named is the type species of the genus *Trichechus* Linnaeus, 1758, the name of which was placed on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 112. Thus, by the action taken in *Direction* 13 the number of specific names now to be considered for admission to the *Official List of Specific Names in Zoology* has been reduced from sixty-one to sixty.

4. It has been ascertained that in the case of each of the sixty names which remain to be considered the nominal species cited as the type species of a nominal genus, the name of which has been placed on the *Official List of Generic Names in Zoology*, has been duly determined as such under the Rules set out in Article 30 of the *Règles*. In one case only is a word of comment called for. This is in relation to the generic name *Lynx* Kerr, 1792. This generic name was placed on the *Official List* by the Ruling given in *Opinion* 91, where its type species was stated to be *Felis lynx* Linnaeus, 1758, by absolute tautonymy. Reference to Kerr's work shows, however, that he did not accept the name *Felis lynx* Linnaeus for the species concerned and renamed this species *Lynx vulgaris* (: 157). This was due, no doubt, to the dislike felt by XVIIIth century zoologists to absolute tautonymy between generic and specific names. Kerr, when publishing the foregoing name, did, however, expressly cite the name *Felis lynx* Linnaeus and the nominal species so named ranks, therefore, under a decision taken by the Paris (1948) Congress, as "an originally included species" (1950, *Bull. zool. Nomencl.* 4 : 179—180). Accordingly, as no type species was designated or indicated by Kerr for the genus *Lynx* under Rules (a) to (c) in Article 30, the nominal species *Felis lynx* Linnaeus, 1758, is, under Rule (d) in that Article the type species of *Lynx* Kerr, 1792, by absolute tautonymy, as stated in *Opinion* 91.

5. The specific names of the type species of all the sixty nominal genera concerned (including the genus *Lynx* Kerr discussed in the immediately preceding paragraph) are nomenclatorially available names. Of these names fifty-eight are, in addition, accepted as the oldest available names for the species concerned. It is accordingly recommended that these fifty-eight names, which are set out in Section A of Annexe 1 to the present Report, should now, in compliance with the Paris Directive, be placed upon the *Official List of Specific Names in Zoology*. In the case of each of the two remaining genera the nominal species which is the type species is subjectively identified by specialists with some other nominal species bearing an older specific name. The nominal genera in question are *Halichoerus* Nilsson, 1820, and *Tarsius* Storr, 1780. The names of the type species of each of these genera, together with the names of the older nominal species with which each is identified, are given in Section B of Annexe 1 to the present Report. It is recommended that, in compliance with the

Paris Directive, the older of the two specific names in question should now be placed on the *Official List of Specific Names in Zoology*. Finally, in Annexe 2 it is proposed that the objectively invalid specific name *vulgaris* Kerr, 1792, discussed in paragraph 4 above be now placed on the *Official Index of Rejected and Invalid Specific Names in Zoology*.

ANNEXE 1

Specific names of sixty nominal species of mammals proposed to be placed on the "Official List of Specific Names in Zoology" in compliance with the General Directive relating to the registration of such names issued to the International Commission on Zoological Nomenclature by the Thirteenth International Congress of Zoology, Paris, 1948

Section A : Specific names of fifty-eight nominal species which are the type species of nominal genera, the names of which were placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936.

<i>Specific name proposed to be placed on the "Official List of Specific Names in Zoology"</i>	<i>Combination in which name specified in Col. 1 was originally published</i>	<i>Name of genus of which species specified in Col. 1 is the type species</i>
(1)	(2)	(3)

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<i>mysticetus</i> Linnaeus, 1758	<i>Balaena mysticetus</i>	<i>Balaena</i> Linnaeus, 1758
<i>taurus</i> Linnaeus, 1758	<i>Bos taurus</i>	<i>Bos</i> Linnaeus, 1758
<i>fiber</i> Linnaeus, 1758	<i>Castor fiber</i>	<i>Castor</i> Linnaeus, 1758
<i>delphis</i> Linnaeus, 1758	<i>Delphinus delphis</i>	<i>Delphinus</i> Linnaeus, 1758
<i>europaeus</i> Linnaeus, 1758	<i>Erinaceus europaeus</i>	<i>Erinaceus</i> Linnaeus, 1758
<i>amphibius</i> Linnaeus, 1758	<i>Hippopotamus amphibius</i>	<i>Hippopotamus</i> Linnaeus, 1758
<i>crinata</i> Linnaeus, 1758	<i>Hystrix cristata</i>	<i>Hystrix</i> Linnaeus, 1758

*Specific name
proposed to be placed
on the " Official List
of Specific Names in
Zoology "*

*Combination in which
name specified in
Col. 1 was originally
published*

*Name of genus of
which species
specified in Col. 1
is the type species*

(1)

(2)

(3)

<i>monoceros</i> Linnaeus, 1758	<i>Monodon monoceros</i>	<i>Monodon</i> Linnaeus, 1758
<i>moschiferus</i> Linnaeus, 1758	<i>Moschus moschiferus</i>	<i>Moschus</i> Linnaeus, 1758
<i>aries</i> Linnaeus, 1758	<i>Ovis aries</i>	<i>Ovis</i> Linnaeus, 1758
<i>vitulina</i> Linnaeus, 1758	<i>Phoca vitulina</i>	<i>Phoca</i> Linnaeus, 1758
<i>scrofa</i> Linnaeus, 1758	<i>Sus scrofa</i>	<i>Sus</i> Linnaeus, 1758
<i>europaea</i> Linnaeus, 1758	<i>Talpa europaea</i>	<i>Talpa</i> Linnaeus, 1758
<i>arctos</i> Linnaeus, 1758	<i>Ursus arctos</i>	<i>Ursus</i> Linnaeus, 1758

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<i>alces</i> Linnaeus, 1758	<i>Cervus alces</i>	<i>Alces</i> Gray, 1821
<i>amphibius</i> Linnaeus, 1758	<i>Mus amphibius</i>	<i>Arvicola</i> Lacépède, 1799
<i>paniscus</i> Linnaeus, 1758	<i>Simia paniscus</i>	<i>Ateles</i> Geoffroy, 1806
<i>bison</i> Linnaeus, 1758	<i>Bos bison</i>	<i>Bison</i> Smith, 1827
<i>tridactylus</i> Linnaeus, 1758	<i>Bradypus tridactylus</i>	<i>Bradypus</i> Linnaeus, 1758
<i>familiaris</i> Linnaeus, 1758	<i>Canis familiaris</i>	<i>Canis</i> Linnaeus, 1758
<i>hircus</i> Linnaeus, 1758	<i>Capra hircus</i>	<i>Capra</i> Linnaeus, 1758
<i>capucina</i> Linnaeus, 1758	<i>Simia capucina</i>	<i>Cebus</i> Erxleben, 1777
<i>elaphus</i> Linnaeus, 1758	<i>Cervus elaphus</i>	<i>Cervus</i> Linnaeus, 1758
<i>didactylus</i> Linnaeus, 1758	<i>Bradypus didactylus</i>	<i>Choloepus</i> Illiger, 1811
<i>cristatus</i> Linnaeus, 1758	<i>Sorex cristatus</i>	<i>Condylura</i> Illiger, 1811
<i>cricetus</i> Linnaeus, 1758	<i>Mus cricetus</i>	<i>Cricetus</i> Leske, 1779

<i>Specific name proposed to be placed on the " Official List of Specific Names in Zoology "</i>	<i>Combination in which name specified in Col. 1 was originally published</i>	<i>Name of genus of which species specified in Col. 1 is the type species</i>
(1)	(2)	(3)
<i>leucodon</i> Hermann, 1780	<i>Sorex leucodon</i>	<i>Crocidura</i> Wagler, 1832
<i>cristata</i> Erxleben, 1777	<i>Phoca cristata</i>	<i>Cystophora</i> Nilsson, 1820
<i>aguti</i> Linnaeus, 1766	<i>Mus aguti</i>	<i>Dasyprocta</i> Illiger, 1811
<i>marsupialis</i> Linnaeus, 1758	<i>Didelphis marsupialis</i>	<i>Didelphis</i> Linnaeus, 1758
<i>dorsata</i> Linnaeus, 1758	<i>Hystrix dorsata</i>	<i>Erethizon</i> Cuvier, 1823
<i>catus</i> Linnaeus, 1758	<i>Felis catus</i>	<i>Felis</i> Linnaeus, 1758
<i>gulo</i> Linnaeus, 1758	<i>Mustela gulo</i>	<i>Gulo</i> Pallas, 1780
<i>timidus</i> Linnaeus, 1758	<i>Lepus timidus</i>	<i>Lepus</i> Linnaeus, 1758
<i>lynx</i> Linnaeus, 1758	<i>Felis lynx</i>	<i>Lynx</i> Kerr, 1792
<i>musculus</i> Linnaeus, 1758	<i>Mus musculus</i>	<i>Mus</i> Linnaeus, 1758
<i>tridactyla</i> Linnaeus, 1758	<i>Myrmecophaga tridactyla</i>	<i>Myrmecophaga</i> Linnaeus, 1758
<i>nasua</i> Linnaeus, 1766 <i>moschatus</i> Zimmerman, 1780	<i>Viverra nasua</i> <i>Bos moschatus</i>	<i>Nasua</i> Storr, 1780 <i>Ovibos</i> Blainville, 1816
<i>hastatus</i> Pallas, 1767	<i>Vespertilio hastatus</i>	<i>Phyllostomus</i> Lacépède, 1799
<i>lotor</i> Linnaeus, 1758 <i>putorius</i> Linnaeus, 1758	<i>Ursus lotor</i> <i>Mustela putorius</i>	<i>Procyon</i> Storr, 1780 <i>Putorius</i> Cuvier, 1817
<i>tarandus</i> Linnaeus, 1758	<i>Cervus tarandus</i>	<i>Rangifer</i> Smith, 1827
<i>ferrum-equinum</i> Schreber, [1774]	<i>Vespertilio ferrum-equinum</i>	<i>Rhinolophus</i> Lacépède, 1799
<i>rupicapra</i> Linnaeus, 1758	<i>Capra rupicapra</i>	<i>Rupicapra</i> Blainville, 1816
<i>vulgaris</i> Linnaeus, 1758	<i>Sciurus vulgaris</i>	<i>Sciurus</i> Linnaeus, 1758

*Specific name
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Zoology "*

*Combination in which
name specified in
Col. 1 was originally
published*

*Name of genus of
which species
specified in Col. 1
is the type species*

(1)

(2)

(3)

araneus Linnaeus,
1758

Sorex araneus

Sorex Linnaeus,
1758

murinus Linnaeus,
1758

Vespertilio murinus

Vespertilio Linnaeus,
1758

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dorcas Linnaeus,
1758

Capra dorcas

Gazella Blainville,
1816*

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leucophaea Pallas,
1766

Antilope leucophaea

Hippotragus
Sundevall, 1845*

" Opinion " 110

peruanum Meyen,
1833

Lagidium peruanum

Lagidium Meyen,
1833*

" Opinion " 111

hispidus Schreber,
[1774]

Vespertilio hispidus

Nycteris Geoffroy
& Cuvier, 1795*

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polykomos
Zimmerman, 1780

Simia polykomos

Colobus Illiger, 1811

senegalensis Geoffroy,
1796

Galago senegalensis

Galago Geoffroy,
1796

gorilla Savage, 1847

Troglodytes gorilla

Gorilla Geoffroy, 1852

lar Linnaeus, 1771

Homo lar

Hylobates Illiger,
1811

catta Linnaeus, 1758

Lemur catta

Lemur Linnaeus,
1758

pithecia Linnaeus,
1766

Simia pithecia

Pithecia Desmarest,
1804

* The species noted in Column (2) became the type species of this genus by designation under the Plenary Powers in the *Opinion* here noted.

Section B : Specific names of two nominal species which are subjectively identified with nominal species of later date which are the type species of genera, the names of which were placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936.

<i>Specific name proposed to be placed on the "Official List of Specific Names in Zoology"</i>	<i>Remarks (not for inclusion in the entry to be made in the "Official List")</i>
(1)	(2)
<i>grypus</i> Fabricius, 1791, as published in the combination <i>Phoca grypus</i>	The name <i>grypus</i> Fabricius, 1791, is a senior subjective synonym of <i>griseus</i> Nilsson, 1820, as published in the combination <i>Halichoerus griseus</i> , the specific name of the type species of <i>Halichoerus</i> Nilsson, 1820 (<i>Opinion 91</i>)
<i>syrichta</i> Linnaeus, 1758, as published in the combination <i>Simia syrighta</i>	The name <i>syrichta</i> Linnaeus, 1758, is a senior subjective synonym of <i>tarsier</i> Erxleben, 1777, as published in the combination <i>Lemur tarsier</i> , the specific name of the type species of <i>Tarsius</i> Storr, 1780 (<i>Opinion 122</i>)

ANNEXE 2

Specific name proposed to be placed on the "Official Index of Rejected and Invalid Specific Names in Zoology"

<i>Name proposed to be entered on the "Official Index of Rejected and Invalid Specific Names in Zoology"</i>	<i>Remarks (not for inclusion in the entry to be made in the "Official Index")</i>
<i>vulgaris</i> Kerr, 1792, as published in the combination <i>Lynx vulgaris</i> (a junior objective synonym of <i>lynx</i> Linnaeus, 1758, as published in the combination <i>Felis lynx</i>)	The nominal species <i>Felis lynx</i> Linnaeus, 1758, is the type species of the genus <i>Lynx</i> Kerr, 1792 (<i>Opinion 91</i>)

2. Registration of the present application : Upon the receipt of Mr. Hemming's paper, the question of placing on the *Official List of Specific Names in Zoology* the names of the type species

of the genera of mammals the names of which were placed on the *Official List of Generic Names in Zoology* in the pre-Lisbon (1935) period was allotted the Registered Number Z.N.(S.) 913.

II. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

3. Issue of Voting Paper V.P.(O.M.)(55)9 : On 25th March 1955 a Voting Paper (V.P.(O.M.)(55)9) was issued in which each Member of the Commission was asked (1) to state whether he agreed "that, in conformity with the General Directives issued to the International Commission on Zoological Nomenclature by the Thirteenth International Congress of Zoology, Paris, 1948, regarding the placing on the appropriate *Official Lists* and *Official Indexes* of names dealt with in, or otherwise involved in, *Opinions* rendered prior to 1948, the names in the Class Mammalia referred to in paragraph 5 of the paper numbered Z.N.(S.) 913 submitted by the Secretary simultaneously with the present Voting Paper [i.e. in paragraph 5 of the application reproduced in the first paragraph of the present *Direction*] be dealt with as there recommended", and (2), if he did not so agree as regards any given item, to indicate the item concerned.

4. Withdrawal of the proposal submitted in regard to the specific name "murinus" Linnaeus, 1758, as published in the combination "Vespertilio murinus" : On 19th April 1955, Mr. Hemming, as Secretary, placed the following Minute on the Commission's File Z.N.(S.) 1913 :—

Withdrawal of proposal relating to the specific name "murinus" Linnaeus, 1758, as published in the combination "Vespertilio murinus" to permit of further study of the issues involved

MINUTE by FRANCIS HEMMING, C.M.G., C.B.E.

(Secretary to the International Commission on Zoological Nomenclature)

I have today received the following note, dated 13th April 1955, from Commissioner Tadeusz Jaczewski in regard to the proposal

included among the recommendations submitted with Voting Paper V.P.(O.M.)(55)9 that the name *murinus* Linnaeus, 1758, as published in the combination *Vespertilio murinus*, the specific name of the type species of *Vespertilio* Linnaeus, 1758, be placed on the *Official List of Specific Names in Zoology* :—“ Our mammalogist, Mr. W. Serafinski, draws my attention to the fact that the eminent Swedish specialist in bats, Olof Ryberg, considers that the name *Vespertilio murinus* Linnaeus is a *nomen dubium*, cf. Ryberg, *Studies on Bats and Bat Parasites*, Stockholm, Lund, 1947, pp. 79—80. I think that this case should be recommitted for consultation with specialists ”.

2. In the light of the foregoing information I fully share Commissioner Jaczewski's view that this question ought to be further examined before a decision thereon is taken by the International Commission. Accordingly, as Secretary to the Commission, I hereby withdraw from the scope of Voting Paper V.P.(O.M.)(55)9 the proposal submitted in regard to the foregoing name.

5. The Prescribed Voting Period : As the foregoing Voting Paper was issued under the One-Month Rule, the Prescribed Voting Period closed on 25th April 1955.

6. Particulars of the Voting on Voting Paper V.P.(O.M.)(55)9 : At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(O.M.)(55)9 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-two (22) Commissioners (arranged in the order in which Votes were received) :*

Stoll ; Lemche ; Vokes ; Hering ; Bradley (J.C.) ;
Riley ; Mayr ; Bonnet ; Esaki ; Prantl ; do Amaral ;
Mertens ; Tortonese ; Cabrera ; Hemming ; Boden-
heimer ; Sylvester-Bradley ; Boschma ; Dymond ;
Jaczewski ; Kühnelt ; Hankó ;

(b) *Negative Votes :*

None ;

(c) *On Leave of Absence, three (3) :*

Holthuis ; Key ; Miller ;

(d) *Voting Papers not returned :*

None.

7. Declaration of Result of Vote : On 26th April 1955, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(O.M.)(55)9, signed a Certificate that the Votes cast were as set out in paragraph 6 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

8. Preparation of the Ruling given in the present " Direction " : On 26th April 1955, Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(O.M.)(55)9.

9. Original References : The original references for the specific names placed on the *Official List* and *Official Index* by the Ruling given in the present *Direction* have already been noted in connection with the *Official List of Generic Names in Zoology*, the nominal species bearing the names concerned being either the type species of genera, the names of which have been inscribed on that *List* or are nominal species subjectively identified therewith.

10. Family-Group Names : No question relating to family-group names arises in connection with the Ruling given in the present *Direction*.

11. The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

12. The present *Direction* shall be known as *Direction* Twenty-Two (22) of the International Commission on Zoological Nomenclature.

DONE in London, this Twenty-Sixth day of April, Nineteen Hundred and Fifty-Five.

*Secretary to the International Commission
on Zoological Nomenclature*

FRANCIS HEMMING